Journal of Cellular Plastics

Subject and Title Index *Vol. 4 / 1968*

Ablation
Improvements in Phenolic Nylon Syntactic Foam for Ablative Heat Shields, *Nov., p. 418*

Ablation, Urethane Foam
Improvement of the Firing Accuracy and Cost Effectiveness of Guns Through the Use of Urethane Foams, *May, p. 184*

ABS Plastics
Expandable ABS, *Jan., p. 16*

Activator
Effect of Activator Concentration on the Density of Extruded Poly (vinyl chloride) Foam, *Mar. p. 109*

Adhesives, Pyrolyzed Urethane Foam
Flame Bonding of Urethane Foam, *July, p. 276*

Artificial Limbs
Porous Epoxy Laminates, *Apr., p. 155*

Automotive Application, Urethane Foam
Microwave Curing of Urethane Foams for Automotive Applications, *Aug., p. 304*

Azodicarbonamide
Effect of Activator Concentration on the Density of Extruded Poly (vinyl chloride) Foam, *Mar., p. 109*

Biuret, in foams
IR Spectroscopic Studies of Urethane Foam Formation, *July, p. 262*

Blowing Agents
Some Effects of Liquid Blowing Agents on the Urethane Foaming Process, *June, p. 216*

Bromine Compounds
Bromine, Chlorine, and Phosphorus Compounds as Flame Retardants in Rigid Urethane Foam, *Feb., p. 67*

Bubble Growth
Vacuum Blowing of Flexible Urethane Foams, *Nov., p. 431*

Buoyancy
The Characteristics of Syntactic Foams Used for Buoyance, *Apr., p. 143*

Carbodiimides
IR Spectroscopic Studies of Urethane Foam Formation, *July, p. 262*

Cellular Plastics
The Performance of Rigid Cellular Plastics in Fire Tests for Industrial Insulation, *June, p. 221*
Comparison of Some Small-Scale Fire Tests with the ASTM E-84 Tunnel Test, *Aug., p. 309*

Chlorine Compounds
Bromine, Chlorine, and Phosphorus Compounds as Flame Retardants in Rigid Urethane Foam, *Feb., p. 67*

Compression Molding
Improvements in Phenolic Nylon Syntactic Foam for Ablative Heat Shields, *Nov., p. 418*

Construction
A New Heat Resistant Rigid Foam, *July, p. 248*

Cost Reduction
Vacuum Blowing of Flexible Urethane Foams, *Nov., p. 431*

Cryogenic Storage
Rigid Open Cell Urethane Foam as a Cryogenic Multi-Layer Insulation Component, *Mar., p. 113*

Cryogenic Temperature
Rigid Open Cell Urethane Foam as a Cryogenic Multi-Layer Insulation Component, *Mar. p. 113*

Cushioning, Low Energy
A Study of the Dynamics of Low Energy Cushioning Materials Using Scale Models, *Feb., p. 79*

Cushioning Materials
A Study of the Dynamics of Low Energy Cushioning Materials Using Scale Models, *Feb., p. 79*

Decomposition, Urethane Foams
Thermal Degradative Behavior of Selected Urethane Foams Related to Variations of Constituents. Part II. Chemical Reactions in Urethane Decomposition, *Feb., p. 56*

Design
Expandable ABS, *Jan., p. 16*

Development
Porous Epoxy Laminates, Apr., *p. 155*

Dynamics
A Study of the Dynamics of Low Energy Cushioning Materials Using Scale Models, *Feb., p. 79*
A Method of Improving the Dynamic Properties of a Plastic Foam Packaging System, *Sept., p. 334*

Editorials
That Was The Year That Was, *Jan., p. 5*
A House Divided, *Feb., p. 45*
Foam in the Home, *Mar., p. 89*
Let's Get With It, *Apr., p. 129*
Thank You, *May, p. 165*
The Agony and the Ecstasy, *June, p. 205*
Requiem for a Stillborn Offspring, *July, p. 240*
A Place for Everything and Everything in its Place, *Aug., p. 289*
"There are Three Kinds of Lies: Lies, Damned Lies, and Statistics" (Disraeli), *Sept., p. 325*
Bibliographical Brouhaha, *Oct., p. 361*
Keep the Ball Rolling, *Nov., p. 409*
The Journal Modulates Its Frequency, *Dec., p. 449*

E-84 Tunnel Test
Comparison of Some Small-Scale Fire Tests with the ASTM E-84 Tunnel Test, *Aug., p. 309*

Electrical Insulation
Applications of Foam-in-Place Materials for Aerospace Electronic Packaging, *June, p. 229*

Electronic Packaging
Applications of Foam-in-Place Materials for Aerospace Electronic Packaging, *June, p. 229*

Energy Absorption
A Method of Improving the Dynamic Properties of a Plastic Foam Packaging System, *Sept., p. 334*

Epoxies
Porous Epoxy Laminates, *Apr., p. 155*

Epoxy Foams
New On-Site Panel Foaming Techniques, *Sept., p. 326*

Exotherm, Urethane Foam Production
Study of Heat Build-up in Flexible Foam Production, *Aug., p. 298*

Extrusion
Effect of Activator Concentration on the Density of Extruded Poly (vinyl chloride) Foam, *Mar., p. 109*

Fabrication
Buildings in Barrels, *May, p. 178*

Fire Damage
The Performance of Rigid Cellular Plastics in Fire Tests for Industrial Insulation, *June, p. 221*

Fire Hazard
The Performance of Rigid Cellular Plastics in Fire Tests for Industrial Insulation, *June, p. 221*

Fire Protection
The Performance of Rigid Cellular Plastics in Fire Tests for Industrial Insulation, *June, p. 221*

Fire Tests
The Performance of Rigid Cellular Plastics in Fire Tests for Industrial Insulation, *June, p. 221*
Comparison of Some Small-Scale Fire Tests with the ASTM E-84 Tunnel Test, *Aug., p. 309*

Flame Bonding
Flame Bonding of Urethane Foam, *July, p. 276*

Flame Retardants, Urethane
Bromine, Chlorine, and Phosphorus Compounds as Flame Retardants in Rigid Urethane Foam, *Feb., p. 67*
A New Heat Resistant Rigid Foam, *July, p. 248*
Flame Retardant Urethane Foams, *Sept., p. 339*
Tetrabromophthalic Anhydride in Flame-Retardant Urethane Foams, *Nov., p. 438*

Flammability
Plastic Foams as a Flame Penetration Barrier, *Mar., p. 102*
Smoke Development in Urethane Foams, *May, p. 188*
Comparison of Some Small-Scale Fire Tests with the ASTM E-84 Tunnel Test, *Aug., p. 309*
Flame Retardant Urethane Foams, *Sept., p. 339*

Flammability Tests
Flame Retardant Urethane Foams, *Sept., p. 339*

Flexible Foam
Hydrophilic Flexible Urethane Foams (1), *Apr., p. 149*

Foam-in-Place
Applications of Foam-in-Place Materials for Aerospace Electronic Packaging, *June, p. 229*

Foaming Techniques
Applications of Foam-in-Place Materials for Aerospace Electronic Packaging, *June, p. 229*

Foams
A Study of the Dynamics of Low Energy Cushioning Materials Using Scale Models, *Feb., p. 79*
Plastic Foams as a Flame Penetration Barrier, *Mar., p. 102*
Effect of Activator Concentration on the Density of Extruded Poly (vinyl chloride), *Mar., p. 109*
Rigid Open Cell Urethane Foam as a Cryogenic Multi-Layer Insulation Component, *Mar., p. 113*
Buildings in Barrels, *May, p. 178*
A New Heat Resistant Rigid Foam, *July, p. 248*
Comparison of Some Small-Scale Fire Tests with the ASTM E-84 Tunnel Test, *Aug., p. 309*
A Method of Improving the Dynamic Properties of a Plastic Foam Packaging System, *Sept., p. 334*
Structural Application Characteristic of a Rigid Urethane Foam System, *Oct., p. 386*
Improvements in Phenolic Nylon Syntactic Foam for Ablative Heat Shields, *Nov., p. 148*

Heat Resistant
A New Heat Resistant Rigid Foam, *July, p. 248*

High Temperature Effects, Urethane
Short Time High Temperature Effects on Plastic Foams, *Oct., p. 379*

History, SPI Cellular Plastics Div.
Development of Test Methods for Cellular Plastics in SPI, *Oct., p. 395*

Hydrophilicity
Hydrophilic Flexible Urethane Foams (1), *Apr., p. 149*

Impact Tests
A Study of the Dynamics of Low Energy Cushioning Materials, *Feb., p. 79*
A Method of Improving the Dynamic Properties of a Plastic Foam Packaging System, *Sept., p. 334*

Insulation
Thermal Degradative Behavior of Selected Urethane Foams Related to Variations of Constituents. Part I. Thermal Stability and Test Methods, *Jan. p. 22*
Rigid Open Cell Urethane Foam as a Cryogenic Multi-Layer Insulation Component, *Mar., p. 113*
Buildings in Barrels, *May, p. 178*
The Performance of Rigid Cellular Plastics in Fire Tests for Industrial Insulation, *June, p. 221*

IR-Spectra, urethane foam
IR Spectroscopic Studies of Urethane Foam Formation, *July, p. 262*
Flame Bonding of Urethane Foam, *July, p. 276*

Isocyanurates
A New Heat Resistant Rigid Foam, *July, p. 248*
IR Spectroscopic Studies of Urethane Foam Formation, *July, 262*

Laminates
Porous Epoxy Laminates, *Apr., p. 155*
A New Heat Resistant Rigid Foam, *July, p. 248*

Lamination, Foam to Fabric
Flame Bonding of Urethane Foam, *July, p. 276*

Life Rafts, Urethane Foam
Evaluation of Four Foaming Techniques for Inflating a PK-2 Life Raft, *Sept., p. 345*

Logistics
Buildings in Barrels, *May, p. 178*

Mechanical Properties
Structural Application Characteristics of a Rigid Urethane Foam System, *Oct., p. 386*

Microspheres
The Characteristics of Syntactic Foams Used for Buoyancy, *Apr., p. 143*

Microwave Curing, Urethane
Microwave Curing of Urethane Foams for Automotive Applications, *Aug., p. 304*

Modeling
A Study of the Dynamics of Low Energy Cushioning Materials Using Scale Models, *Feb., p. 79*

Molding
A New Heat Resistant Rigid Foam, *July, p. 248*

Multilayer Insulation
Rigid Open Cell Urethane Foam as a Cryogenic Multi-Layer Insulation Component, *Mar., p. 113*

Nylon-Phenolic
Improvements in Phenolic Nylon Syntactic Foam for Ablative Heat Shields, *Nov., p. 418*

Packaging Systems
A Method of Improving the Dynamic Properties of a Plastic Foam Packaging System, *Sept., p. 334*

Panel Foaming
New On-Site Panel Foaming Technique, *Sept., p. 326*

Permeability, Foams
A New Method of Determining the Air Permeability of Open Cell Flexible Cellular Plastics, *Oct., p. 474*

Phosphorus Compounds
Bromine, Chlorine, and Phosphorus Compounds as Flame Retardants in Rigid Urethane Foam, *Feb., p. 67*

Physical Properties Urethane Foam
Thermal Degradative Behavior of Selected Urethane Foams Related to Variations of Constituents. Part I. Thermal Stability and Test Methods, *Jan. p. 22*

Plastic Foams
A Method of Improving the Dynamic Properties of a Plastic Foam Packaging System, *Sept., p. 334*

Plastics
Expandable ABS, *Jan., p. 16*

Polyester
Structural Application Characteristics of a Rigid Urethane Foam System, *Oct., p. 386*

Poly (vinyl chloride)
Effect of Activator Concentration on the Density of Extruded Poly (vinyl chloride) Foam, *Mar., p. 109*

Porous Laminates
Porous Epoxy Laminates, *Apr., p. 155*

Process Engineering
Vacuum Blowing of Flexible Urethane Foams, *Nov., p. 431*

Processing
Expandable ABS, *Jan., p. 16*
Structural Application Characteristics of a Rigid Urethane Foam System, *Oct., p. 386*

Prosthetics
Porous Epoxy Laminates, *Apr., p. 155*

Puncture Repair
Evaluation of Four Foaming Techniques for Inflating a PK-2 Life Raft, *Sept., p. 345*

Radiant Panel
Comparison of Some Small-Scale Fire Tests with the ASTM E-84 Tunnel Test, *Aug., p. 309*

Research Submersibles
The Characteristics of Syntactic Foams Used for Buoyancy, *Apr., p. 143*

Rigid Foam
Expandable ABS, *Jan. p. 16*

Scale Models
A Study of the Dynamics of Low Energy Cushioning Materials Using Scale Models, *Feb., p. 79*

Seats, Molded, Auto
Microwave Curing of Urethane Foams for Automotive Applications, *Aug., p. 304*

Shock Tests
A Study of the Dynamics of Low Energy Cushioning Materials Using Scale Models, *Feb. p. 79*

Smoke
Smoke Development in Urethane Foams, *May, p. 188*

Solvents, as Blowing Agents
Some Effects of Liquid Blowing Agents on the Urethane Foaming Process, *June, p. 216*

Sponge
Hydrophilic Flexible Urethane Foams (1), *Apr., p. 149*

Spraying
A New Heat Resistant Rigid Foam, *July, p. 248*

Stressed Skin Panels
Buildings in Barrels, *May, p. 178*

Stoichiometry
Structural Application Characteristics of a Rigid Urethane Foam System, *Oct., p. 386*

Structures
Buildings in Barrels, *May, p. 178*

Structure-Stability Studies
Thermal Degradative Behavior of Selected Urethane Foams Related to Variations of Constituents. Part II. Chemical Reactions in Urethane Decomposition, *Feb., p. 56*

Syntactic Foam
The Characteristics of Syntactic Foams Used for Buoyance, *Apr., p. 143*
Improvements in Phenolic Nylon Syntactic Foam for Ablative Heat Shields, *Nov., p. 418*

Test Method, Development
Development of Test Methods for Cellular Plastics in SPI, *Oct., p. 395*

Test Methods, Cellular Plastics
Development of Test Methods for Cellular Plastics in SPI, *Oct., p. 395*

Test Methods, Flexible Cellular Materials
Development of Test Methods for Flexible Cellular Materials in ASTM D-11, *Oct., p. 392*

Thermal Stability Urethane Foam
Thermal Degradative Behavior of Selected Urethane Foams Related to Variations of Constituents. Part I. Thermal Stability and Test Methods, *Jan. p. 22*

Tooling for Foam-in Place
Applications of Foam-in-Place Materials for Aerospace Electronic Packaging, *June, p. 229*

Transportation
A New Heat Resistant Rigid Foam, *July, p. 248*

Treatment
Hydrophilic Flexible Urethane Foams (1), *Apr., p. 149*

Urea Formaldehyde Foam
Urea Formaldehyde Foam for Insulation, *Jan.*, p. 37

Urethane Foam
Thermal Degradative Behavior of Selected Urethane Foams Related to Variations of Constituents. Part I. Thermal Stability and Test Methods, *Jan.* p. 22
Plastic Foams as a Flame Penetration Barrier, *Mar.*, p. 102
Rigid Open Cell Urethane Foam as a Cryogenic Multi-Layer Insulation Component, *Mar.*, p. 113
The Hydrophilic Flexible Urethane Foams (1), *Apr.*, p. 149
Applications of Foam-in-Place Materials for Aerospace Electronic Packaging, *June*, p. 229
IR Spectroscopic Studies of Urethane Foam Formation, *July*, p. 262
Flame Retardant Urethane Foams, *Sept.*, p. 339
Vacuum Blowing of Flexible Urethane Foams, *Nov.*, p. 431
Molded Rigid Urethane Foams: Dimensional and Physical Characteristics, *Oct.*, p. 459

Urethane Foam, Flammability
Study of Heat Build-up in Flexible Foam Production, *Aug.*, p. 298

Urethane Foam, Flexible
Flame Bonding of Urethane Foam, *July*, p. 276

Urethane Foam Production
Study of Heat Build-up in Flexible Foam Production, *Aug.*, p. 298

Urethane Foam, Rigid
Bromine, Chlorine and Phosphorus Compounds as Flame Retardants in Rigid Urethane Foam, *Feb.*, p. 67

Urethane Foam, Textile Application
Flame Bonding of Urethane Foam, *July*, p. 276

Urethane Foam, Thermal Properties
Flame Bonding of Urethane Foam, *July*, p. 276

Urethane Foam, Weight and Dimensional Changes
Molded Rigid Urethane Foams: Dimensional and Physical Characteristics, *Oct.* p. 459

Vacuum Blowing
Vacuum Blowing of Flexible Urethane Foams, *Nov.*, p. 431

Void Filling
Evaluation of Four Foaming Techniques for Inflating a PK-2 Life Raft, *Sept.*, p. 345

Water Absorption
The Characteristics of Syntactic Foams Used for Buoyancy, *Apr.*, p. 143

Journal of Cellular Plastics

Author Index *Vol. 4 / 1968*

Andrews, W. R., *Mar.*, p. 102
Archipoff, A., *Apr.*, p. 149
Armstrong, A. A., *Oct.*, p. 379

Ball, G. W., *July*, p. 248
Boucher, R. G., *June*, p. 216
Brandien, J. E., *Aug.*, p. 298
Brodbeck, M. B., *July*, p. 276
Budna, J. J., *June*, p. 229
Burgess, P. E., Jr., *Feb.*, p. 67

Cengel, J. A., *Aug.*, p. 309
Cianciolo, A. D., *Mar.*, p. 102
Cook, S. D., *Apr.*, p. 143
Craig, R., *May*, p. 188

Dahm, M., *July*, p. 262
DeGisi, S. L., *Oct.*, p. 386
Dickinson, L. A., *May*, p. 184
Dunaetz, R. A., *June*, p. 229

Einhorn, I. N. *May*, p. 188
Faddoul, J. R., *Mar.*, p. 113
Finlayson, D., *Oct.*, p. 474

Hager, K. F., *July*, p. 276; Aug., p. 298
Haggis, G. A., *July*, p. 248
Hermansen, R. D., *Oct.*, p. 459
Hilado, C. J., *Jan.*, p. 67; *June*, p. 221; *Sept.*, p. 339
Hill, J. T., *Apr.*, p. 155
Hobaica, E. C., *Apr.*, p. 143
Hurd, R., *July*, p. 248

Keller, L. B., *Nov.*, p. 418

Lauerer, D., *July*, p. 262
Lindquist, C. R., *Mar.*, p. 113

McClung, C. E., *Sept.*, p. 345
McLennan, D. E., *May*, p. 184
Merten, R., *July*, p. 262
Mickelson, R. W., *May*, p. 188
Miller, E. G., *Mar.*, p. 102
Mouhot, H. G., *Apr.*, p. 155
Murray, G. E., *June*, p. 216

Nadeau, H. G., *Jan.*, p. 22; *Feb.*, p. 56
Nametz, R. C., *Nov.*, p. 438

Paper, P. G., *Nov.*, p. 438
Porteous, A., *Nov.*, p. 431
Proops, W. R., *Feb.*, p. 67

Radcliffe, A. H., *Oct.*, p. 474
Rajan, R., *Aug.*, p. 304
Reymore, H. E., *Jan.*, p. 22; *Feb.*, p. 56
Rogers, T. H., *Oct.*, p. 392

Salyer, I. O., *Sept.*, p. 345
Sambeth, J., *Apr.*, p. 149
Sanger, J. E., *Nov.*, p. 438
Sayigh, A. R. R., *Jan.*, p. 22; *Feb.*, p. 56
Schutz, C. A., *Jan.*, p. 22
Schwendeman, J. L., *Sept.*, p. 345
Shah, B., *May*, p. 188
Smith, C. H., *Oct.*, p. 386
Swenson, S. B., *May*, p. 178

Thompson, W. L., *Mar.*, p. 102
Tilley, J. N., *Jan.*, p. 22; *Feb.*, p. 56
Touhey, W. J., Jr., *Oct.*, p. 395
Traeger, R. K., *Oct.*, p. 379

Wallis, G. B., *Nov.*, p. 431
Waszeciak, P. H., *Jan.*, p. 16; *Feb.*, p. 56
Way, D. H., *June*, p. 221
Wells, J. N., *Mar.*, p. 109
Wood, J. F., *July*, p. 248
Woolam, W. E., *Feb.*, p. 79; *Sept.*, p. 334
Woollard, D. C., *Jan.*, p. 16